

The invention relates to a process for production of hydrogen peroxide according to the anthraquinone process including alternate hydrogenation and oxidation of one or more quinones selected from anthraquinones and/or tetrahydro anthraquinones in a working solution comprising at least one quinone solvent and at least one hydroquinone solvent, wherein said at least one quinone solvent comprises isodurene in an amount from 15 to 100 wt%. The invention also relates to a composition useful as a working solution at production of hydrogen peroxide.

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